

# Product Known Issues and Solutions Status Summary

## Intel® Performance Libraries

Product	Version	Title	Last Update
Intel® Performance Libraries Intel® Math Kernel Library	5.1	Q62115: Problems with MKL and Mex file	12/17/2001
<b>Symptom:</b>	Version: 5.1 for Windows*  An unhandled exception (and hence program crash) occurs when one tries to call MKL functions from a Mex MATLAB program. The problem has been corrected in the latest MKL Service Pack 1 for Windows with the exception of VML functions.		
<b>Current Status/Solution:</b>  This issue is currently under investigation and there is no workaround at this time. If you would like more information on the status of this erratum, please submit an issue with this reference # Q62115 via Intel® Premier Support at <a href="https://premier.intel.com">https://premier.intel.com</a> . We will inform you when a fix is available.  This problem was fixed partially in SP1.			

Product	Version	Title	Last Update
Intel Performance Libraries Intel® JPEG Library	1.51	Q100708:ijlRead Memory Leak	12/17/2001

<b>Symptom:</b>	<p>Version: Intel JPEG Library v1.51</p> <p>Applications built using the IJL v1.51 produce a memory leak when a call is made via <code>ijlRead(&amp;jpcp, IJL_JFILE_READPARAMS)</code> or <code>ijlRead(&amp;jpcp, IJL_JBUFF_READPARAMS)</code>.</p>
<p><b>Current Status/Solution:</b></p> <p>After each call to <code>ijlRead</code> to read a JPEG header, the IJL loses <code>sizeof(SCAN_COMPONENT) * number_of_color_components</code> bytes of memory. This number is in the range 24 - 96. In particular, for 3 channel images the loss is 72 bytes.</p> <p>This issue is currently under investigation and there is no workaround at this time. If you would like more information on the status of this erratum, please submit an issue with this reference # Q100708 via Intel Premier Support at <a href="https://premier.intel.com">https://premier.intel.com</a>. We will inform you when a fix is available.</p>	

Product	Version	Title	Last Update
Intel Performance Libraries Intel® Integrated Performance Primitives	2.0 Beta	Q103257 - Multithreading issue on a multi-processor system. ipps/ippsr functions produce incorrect results on MPS	12/13/2001
<b>Symptom:</b>	Version: IPP for IA v2.0  Calling ipps/ippsr arithmetic functions in a multithreading application on a multi-processor system produced incorrect results.		
<b>Current Status/Solution:</b>  This is an acknowledged erratum in asm code of the ippsExp_32f_I function. The workaround is to use the fixed-accuracy functions in Chapter 11 of the manual, such as ippsExp_32f_A11 or ippsExp_32f_A21.			

Product		Version	Title	Last Update
Intel Performance Libraries Intel JPEG Library		1.51	Q104903:Decoding JPEG image from memory buffer results in incorrect decoding	12/17/2001
Symptom:	Decoding a JPEG image from a memory buffer via a call to the ijlRead function with the IJL_JBUFF_READHEADER parameter in can lead to incorrect decoding.  Note: This happens only when decoding from a memory buffer; this problem does not occur when decoding from a file.			
Current Status/Solution:				
After a call to ijlRead with the parameter IJL_JBUFF_READHEADER and before a call to ijlRead with the parameter IJL_JBUFF_READWHOLEIMAGE, you need to change the internal pointer to point to the entropy buffer as specified below:  <pre>#define FIX_ BUG #ifdef FIX_ BUG if(jcprops.JPGFile == NULL) { jcprops.JPGBytes = props.jprops.state.start_entropy_ptr; }  #endif</pre>				

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